

Intelligent Systems Subcommittee

Proposals on the Creation of new Task Forces

1. Proposal of TF on

Multi-agent Systems

Proposed by S. McArthur, University of Strathclyde

Scope

Multi-agent systems are an emerging technology which supports a variety of complex automation and communication task thus facilitating the integration of local and supervisory control. A multi-agent system is comprised of independent and autonomous software modules which are able to cooperate and negotiate with one another.

Activities of the TF include

- Review of state of the art
- Review of industry practices
- Organization of panel session
- Organization of Paper sessions
- Organization of Tutorials

2. Proposal of TF on

Intelligent Data Mining and Analysis

Proposed by S. Santoso, Elektrotek

Scope

Intelligent data mining and Analysis is a advanced technology in information processing to extract rules and knowledge from large database systematically and analyze the nonlinear relationship between input and output variables in complex problems or phenomena. Data mining is a mature application in other areas like marketing. It is however relatively recent that the power industry has shown an interest in these techniques.

Activities fo the TF include

- Review of state of the art
- Review of industry practices
- Organization of panel session
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